

## INTERNATIONAL SEARCH REPORT

Int lonal Application No  
PCT/IB2004/051006

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G11B20/10 G11B7/09

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/089907 A1 (SEVENANTS MARC ET AL) 11 July 2002 (2002-07-11) paragraph '0019! - paragraph '0034!; figures	1-10
X	US 5 809 006 A (DAVIS HEDLEY C ET AL) 15 September 1998 (1998-09-15) column 5, line 14 - column 9, line 9; figures 2-5,8,9	1-10
Y	JAN M RABAEY: "Timing issues in digital circuits" DIGITAL INTEGRATED CIRCUITS, XX, XX, 12 December 2002 (2002-12-12), pages 42-99, XP002282819 paragraph '10.2! paragraphs '10.6!, '10.7! ----- -/--	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

27 September 2004

Date of mailing of the international search report

11/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

D'Attilia, M

## INTERNATIONAL SEARCH REPORT

Int onal Application No

PCT/IB2004/051006

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 475 664 A (SHIMIZUME KAZUTOSHI ET AL) 12 December 1995 (1995-12-12) abstract column 2, line 15 - line 42 column 3, line 24 - column 4, line 14; figure 3	1-10
P,A	US 2004/027940 A1 (AKAGI TOSHIYA ET AL) 12 February 2004 (2004-02-12) paragraph '0136! - paragraph '0161!; figures 13,15	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002089907	A1	11-07-2002	CN 1406381 T	26-03-2003
			EP 1348219 A1	01-10-2003
			WO 02052566 A1	04-07-2002
			JP 2004517431 T	10-06-2004
US 5809006	A	15-09-1998	AU 3370897 A	05-01-1998
			EP 0902947 A1	24-03-1999
			JP 2000511324 T	29-08-2000
			WO 9745836 A1	04-12-1997
US 5475664	A	12-12-1995	JP 6231477 A	19-08-1994
			DE 69424199 D1	08-06-2000
			DE 69424199 T2	18-01-2001
			EP 0609882 A1	10-08-1994
US 2004027940	A1	12-02-2004	WO 2004015706 A1	19-02-2004
			JP 2004087104 A	18-03-2004

Best Available Copy